

## CLAIMS

## WHAT IS CLAIMED IS:

- 1 1. A system for automatically setting a clock, comprising:  
2 a mobile station configured for:  
3 acquiring a Code Division Multiple Access (CDMA) pilot signal from a base  
4 station,  
5 receiving a CDMA sync channel message based on the pilot signal, and  
6 calculating a local time based on the CDMA sync channel message; and  
7 a resettable clock, coupled to the mobile station, including an oscillator for  
8 maintaining a current time and a processor configured for:  
9 periodically obtaining an indication of the local time from the mobile station, and  
10 resetting the current time to reflect the local time obtained from the mobile  
11 station.
- 1 2. The system according to claim 1, further comprising interface logic coupling the  
2 mobile station and the resettable clock; wherein:  
3 the mobile station is configured to operate at a first logic level;  
4 the resettable clock is configured to operate at a second logic level that is  
5 incompatible with the first logic level; and  
6 the interface logic is configured to receive the indication of the local time at the first  
7 logic level and provide the indication of the local time to the resettable clock at  
8 the second logic level.

1        3. The system according to claim 1, wherein:  
2        the mobile station is further configured for:  
3            acquiring another CDMA pilot signal from another base station,  
4            receiving another CDMA sync channel message based on the other CDMA pilot  
5            signal, and  
6            calculating a new local time based on the other CDMA sync channel message;  
7            and  
8        the resettable clock is further configured for resetting the current time to reflect the  
9        new local time.

1        4. The system according to claim 3, wherein the local time and the new local time  
2        indicate local times in different time zones.

1        5. The system according to claim 1, wherein the mobile station is further configured  
2        to use the CDMA sync channel message to receive a transmission from the base station in  
3        a paging or traffic channel.

1        6. The system according to claim 1, wherein the resettable clock is disposed within an  
2        automobile.

1        7. The system according to claim 6, wherein the resettable clock includes a display  
2        installed on a dashboard of the automobile for showing the current time.

1        8. The system according to claim 6, wherein the resettable clock includes a display  
2        installed on a dashboard of the automobile for showing the current time and geographic  
3        information.

1        9. The system according to claim 1, wherein the mobile station comprises a CDMA  
2        compatible wireless telephone.

1        10. A system for automatically setting a clock, comprising:  
2        a mobile station configured for:  
3            resetting an indication of local time enable,  
4            attempting to acquire a Code Division Multiple Access (CDMA) pilot signal from  
5            a base station and receive a CDMA sync channel message based on the pilot  
6            signal, and  
7            if said attempting is successful, then calculating a local time based on the CDMA  
8            sync channel message and setting the indication of local time enable; and  
9        a resettable clock, coupled to the mobile station, including an oscillator for  
10        maintaining a current time and a processor configured for:  
11        periodically checking the indication of local time enable, and  
12        if the indication of local time enable is set, then obtaining an indication of the  
13        local time from the mobile station, and resetting the current time to reflect the  
14        local time obtained from the mobile station.

1        11. A resettable clock comprising:  
2        an oscillator;  
3        an interface to a CDMA network compatible receiver; and  
4        a processor coupled to the interface and configured for:  
5            maintaining a current time based on output of the oscillator;  
6            periodically obtaining an indication of local time for the interface to the CDMA  
7            network compatible receiver; and  
8            resetting the current to reflect the local time obtained from the interface to the  
9        CDMA network compatible receiver.

1 19. A method for automatically setting a clock, comprising:  
2 resetting an indication of local time enable;  
3 attempting to acquire a Code Division Multiple Access (CDMA) pilot signal from a  
4 base station and receive a CDMA sync channel message based on the pilot signal;  
5 if said attempting is successful, then calculating a local time based on the CDMA  
6 sync channel message and setting the indication of local time enable;  
7 maintaining a current time based on an oscillator;  
8 displaying the current time;  
9 periodically checking the indication of local time enable; and  
0 if the indication of local time enable is set, then obtaining an indication of the local  
1 time from the mobile station, and resetting the current time to reflect the local  
2 time obtained from the mobile station.

